

Technical Data Sheet

Shower Waterproofing Membrane

Waterproofing

7 Day Technical Support 1800 655 711

Testing Approvals: CSIRO Technical Assessment No: 337 – Satisfying requirements of AS 3740: 2004 'Waterproofing of Wet Areas in Residential Buildings' and the relevant requirements of the Building Code of Australia 2007

CSIRO Compliance Assessment Report No: 3877 – AS 4858:204 – Wet area membranes. In accordance to requirements of a class III membrane as stated in AS 3740:2004 'Waterproofing of Wet Areas in Residential Buildings' AS 4020:2005 "Products for use in contact with Drinking Water" – Australian Water Quality Centre Report No: 8958

Description

Shower Waterproofing Membrane is a waterborne flexible SBR waterproof membrane designed for use under tiled finishes that is capable of accommodating expected structural movement. It complies with the performance requirements of Building Code of Australia 2007 Clause FP1.4 and FP1.7 (Volume 1 – Class 2 to Class 9 buildings) and P2.2.2 and P2.4.1 (Volume 2 – Class 1 and Class 10 building Housing Provisions). May be used under cement based tile adhesives that meet the requirements of Australian Standard 2358. VOC Content of **Shower Waterproofing Membrane** is below the maximum VOC Content for Architectural and Interior Sealants as required by Green Star Office Design V2, V3, Office Interiors V1.1, and APAS D181.

Features and Benefits

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| <ul style="list-style-type: none"> • Class III Membrane to AS 4858 • Complies with Building Code of Australia FP1.4 and FP1.7 and P2.2.2 and P.2.4.1 • Complies with AS 3740 • Permanently flexible - accommodates cracking in substrate • Dries to a keyed finish to promote adhesion with tile adhesives | <ul style="list-style-type: none"> • Single pack • Quick drying • Safe and easy to use • No priming required • Designed for use with a bond-breaker – Reinforcing Fabric with Bond Breaker. • Impervious to moisture • Excellent adhesion to a wide variety of substrates |
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Area of Use

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| <ul style="list-style-type: none"> • Shower recesses • Bathroom floor areas • Laundries • Kitchens • Balconies • Patios • Concrete, cement render, plaster | <ul style="list-style-type: none"> • Hardie/CSR sheet flooring • Brick • Light weight aggregate block • Plasterboard, MDF • Plywood sheet flooring • Steel (suitably primed) • Wet area wall lining board |
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Technical Data

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|--------------------------|--------------------|--------------|-----------|
| Number of Coats: | 2 | Curing time: | 7 days |
| Spreading Rate Per Coat: | 2m ² /L | Colour: | Green |
| Wet Film Per Coat: | 500 microns | Thinner: | Water |
| Recoat (@25°C): | 2-4 hours | Shelf Life: | 12 months |

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| Technical Data (Continued) | | |
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| Properties | Test Method | Test Results |
| Adhesion: Concrete Fibre Board Plywood Lightweight block Brick Steel | ASTM D4541 | 1.0-1.5N/mm ² 2.0N/mm ² 1.8N/mm ² 0.5N/mm ² (block failure) 2.5N/mm ² 1.6-3.0N/mm ² |
| Tensile Strength | ASTM D412 | 3-4N/mm ² |
| Elongation | ASTM 4858:2004 | 317% |
| Water Vapour Transmission | ASTM E96 | 1g/m ² /24hr |
| Mandrel bend Test (6mm diameter) | 180° around cylindrical mandrel | Pass – no failure |
| Hardness | ASTM D2240 | 29A |
| Chemical Resistance | Test strips immersed for 7 days before visual examination: | |
| | Dilute Acids Dilute Alkali Salt Solutions | Good Good Good |
| Water Absorption | AS 3558.1 | 2.73% |
| Volatile Organic Compound (VOC) Content | SCAQMD 304-91 | 28 g/L |

Application Guide

Surface Preparation

- The surface should have a light even texture. Masonry should be flush pointed and all defects in existing surfaces made good. Ensure all high points and protrusions are ground off.
- Surfaces must be clean and dry, sound and free from dust and loose material. Due to the wide variety of substrates available, it is always advisable to check adhesion by laying a test sample before commencing the job.
- Blow-holes, areas of honeycombing, etc., to be filled and the surface brought back to an even profile with a suitable repair render. Trowel to a smooth even finish and allow to cure.

Application Procedure and Equipment

- Apply Reinforcing Fabric with Bond Breaker into internal angles/corners (wall and floor junction) and vertical angles/corners (wall and wall junction) to a minimum height of 150mm and also into floor outlet or over floor outlet flange.

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Application Guide (Continued)

- Tiling over expansion joints and construction joints must have tiles placed in such a manner that the joint (extra wide grout line) can be filled with elastomeric sealant.
- After placing Reinforcing Fabric with Bond Breaker, fold back un-adhered fabric and apply **Shower Waterproofing Membrane** to the surface, immediately, fold fabric back into the wet **Shower Waterproofing Membrane** and embed fabric into primed area with a brush. Allow to dry.
- After completion of all corners apply 1st coat of **Shower Waterproofing Membrane** using a brush. Work from corners towards exposed areas. Allow to dry.
- Apply a 2nd coat of **Shower Waterproofing Membrane** at right angles to the previous application using a brush or roller.
- Allow to dry before the application of a screed or the commencement of tiling.

If pond testing is required, allow to dry for a minimum 24 hours (depending on weather conditions) to ensure adequate curing. Pond test with water to a depth of 25mm for 2 hours.

Cleaning

- Equipment can be cleaned with warm water and detergent before the product has dried.

Health and Safety

Safety Precautions

- Provide good ventilation – open windows and doors and use circulating fans.
- If product is splashed on skin it should be washed off with water before it can dry.
- Wear gloves and eye protection during application.

First Aid

Swallowed: Contact a doctor or Poisons Information Centre. Do not induce vomiting. Give water to drink.
 Eye: Gently flush with running water, holding eyelids open for 15 mins. Seek medical attention.

For detailed information refer to product label and the current Material Safety Data Sheet available from Crommelin.

In the case of an emergency please call the Poisons Information Centre on 13 11 26

Transport and Storage

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|------------------------|----------------------|--------------|-----|
| Sizes: | 1L, 4L, 15L | Flash Point: | N/A |
| Weights: | 1.5Kg, 5.5Kg, 20.5Kg | UN Number: | N/A |
| Dangerous Goods Class: | N/A | | |

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Disclaimer (Continued)

Customers need to undertake their own assessment to determine the suitability of a product for the particular use intended. As the performance of any product is subject to a wide variety of different surface types as well as environmental and surface-specific conditions, it is essential that a sample of the product be applied to the intended area of use to ensure it is acceptable in appearance and finish and that it performs on the specific surface.

Waterproofing & Sealing

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